

Re-run

PK



PCT

RECEIVED

SEP 04 2002

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,796A

DATE: 05/08/2002

TIME: 10:53:00

Input Set : N:\paola\US09856796A.raw

Output Set: N:\CRF3\05082002\I856796A.raw

C--> 1 <110> APPLICANT: HIRSCH, FRANCOIS
 2 HAEFFNER, ASTRID
 3 <120> TITLE OF INVENTION: NF-KB ACTIVATION INHIBITORS, AND THEIR PHARMACEUTICAL
 4 USES
 5 <130> FILE REFERENCE: USB98CNRN
 6 <140> CURRENT APPLICATION NUMBER: US/09/856,796A
 7 <141> CURRENT FILING DATE: 2001-05-25
 8 <150> PRIOR APPLICATION NUMBER: PCT/FR99/02897
 9 <151> PRIOR FILING DATE: 1999-11-24
 10 <150> PRIOR APPLICATION NUMBER: FR 98/14858
 11 <151> PRIOR FILING DATE: 1998-11-25
 12 <160> NUMBER OF SEQ ID NOS: 4
 13 <170> SOFTWARE: PatentIn Ver. 2.1
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 609
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Homo sapiens
 19 <220> FEATURE:
 20 <221> NAME/KEY: CDS
 21 <222> LOCATION: (1)..(606)
 22 <400> SEQUENCE: 1

23	atg gct aca ggc tcc cgg acg tcc ctg ctc ctg gct ttt ggc ctg ctc	48
24	Met Ala Thr Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu	
25	1 5 10 15	
26	tgc ctg ccc tgg ctt caa gag ggc agt gcc ttc cca acc att ccc tta	96
27	Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr Ile Pro Leu	
28	20 25 30	
29	tcc agg ctt ttt gac aac gct agt ctc cgc gcc cat cgt ctg cac cag	144
30	Ser Arg Leu Phe Asp Asn Ala Ser Leu Arg Ala His Arg Leu His Gln	
31	35 40 45	
32	ctg gcc ttt gac acc tac cag gag ttt aac ccc cag acc tcc ctc tgt	192
33	Leu Ala Phe Asp Thr Tyr Gln Glu Phe Asn Pro Gln Thr Ser Leu Cys	
34	50 55 60	
35	ttc tca gag tct att ccg aca ccc tcc aac agg gag gaa aca caa cag	240
36	Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn Arg Glu Glu Thr Gln Gln	
37	65 70 75 80	
38	aaa tcc aac cta gag ctg ctc cgc atc tcc ctg ctc atc cag tcg	288
39	Lys Ser Asn Leu Glu Leu Arg Ile Ser Leu Leu Leu Ile Gln Ser	
40	85 90 95	
41	tgg ctg gag ccc gtg cag ttc ctc agg agt gtc ttc gcc aac agc ctg	336
42	Trp Leu Glu Pro Val Gln Phe Leu Arg Ser Val Phe Ala Asn Ser Leu	
43	100 105 110	
44	gtg tac ggc gcc tct gac agc aac gtc tat gac ctc cta aag gac cta	384

ENTERED

RAW SEQUENCE LISTING

DATE: 05/08/2002

PATENT APPLICATION: US/09/856,796A

TIME: 10:53:00

Input Set : N:\paola\US09856796A.raw

Output Set: N:\CRF3\05082002\I856796A.raw

```

45      Val Tyr Gly Ala Ser Asp Ser Asn Val Tyr Asp Leu Leu Lys Asp Leu
46              115                      120                      125
47      gag gaa ggc atc caa acg ctg atg ggg agg ctg gaa gat ggc agc ccc      432
48      Glu Glu Gly Ile Gln Thr Leu Met Gly Arg Leu Glu Asp Gly Ser Pro
49              130                      135                      140
50      cgg act ggg cag atc ttc aag cag acc tac agc aag ttc gac aca aac      480
51      Arg Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn
52      145                      150                      155                      160
53      tca cac aac gat gac gca cta ctc aag aac tac ggg ctg ctc tac tgc      528
54      Ser His Asn Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys
55              165                      170                      175
56      ttc agg aag gac atg gac aag gtc gag aca ttc ctg cgc atc gtg cag      576
57      Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln
58              180                      185                      190
59      tgc cgc tct gtg gag ggc agc tgt ggc ttc tag      609
60      Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
61              195                      200
63 <210> SEQ ID NO: 2
64 <211> LENGTH: 202
65 <212> TYPE: PRT
66 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 2
68      Met Ala Thr Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu
69              1              5              10              15
70      Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr Ile Pro Leu
71              20              25              30
72      Ser Arg Leu Phe Asp Asn Ala Ser Leu Arg Ala His Arg Leu His Gln
73              35              40              45
74      Leu Ala Phe Asp Thr Tyr Gln Glu Phe Asn Pro Gln Thr Ser Leu Cys
75              50              55              60
76      Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn Arg Glu Glu Thr Gln Gln
77      65              70              75              80
78      Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser Leu Leu Leu Ile Gln Ser
79              85              90              95
80      Trp Leu Glu Pro Val Gln Phe Leu Arg Ser Val Phe Ala Asn Ser Leu
81              100              105              110
82      Val Tyr Gly Ala Ser Asp Ser Asn Val Tyr Asp Leu Leu Lys Asp Leu
83              115              120              125
84      Glu Glu Gly Ile Gln Thr Leu Met Gly Arg Leu Glu Asp Gly Ser Pro
85              130              135              140
86      Arg Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn
87      145              150              155              160
88      Ser His Asn Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys
89              165              170              175
90      Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln
91              180              185              190
92      Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
93              195              200
95 <210> SEQ ID NO: 3

```

RAW SEQUENCE LISTING

DATE: 05/08/2002

PATENT APPLICATION: US/09/856,796A

TIME: 10:53:00

Input Set : N:\paola\US09856796A.raw

Output Set: N:\CRF3\05082002\I856796A.raw

```

96 <211> LENGTH: 582
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
99 <220> FEATURE:
100 <221> NAME/KEY: CDS
101 <222> LOCATION: (1)..(579)
102 <400> SEQUENCE: 3
103   atg ggg gtg cac gaa tgt cct gcc tgg ctg tgg ctt ctc ctg tcc ctg   48
104   Met Gly Val His Glu Cys Pro Ala Trp Leu Trp Leu Leu Leu Ser Leu
105       1               5               10               15
106   ctg tcg ctc cct ctg ggc ctc cca gtc ctg ggc gcc cca cca cgc ctc   96
107   Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Arg Leu
108       20               25               30
109   atc tgt gac agc cga gtc ctg gag agg tac ctc ttg gag gcc aag gag   144
110   Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu Ala Lys Glu
111       35               40               45
112   gcc gag aat atc acg acg ggc tgt gct gaa cac tgc agc ttg aat gag   192
113   Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu
114       50               55               60
115   aat atc act gtc cca gac acc aaa gtt aat ttc tat gcc tgg aag agg   240
116   Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg
117       65               70               75               80
118   atg gag gtc ggg cag cag gcc gta gaa gtc tgg cag ggc ctg gcc ctg   288
119   Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu
120       85               90               95
121   ctg tcg gaa gct gtc ctg cgg ggc cag gcc ctg ttg gtc aac tct tcc   336
122   Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser
123       100              105              110
124   cag ccg tgg gag ccc ctg cag ctg cat gtg gat aaa gcc gtc agt ggc   384
125   Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly
126       115              120              125
127   ctt cgc agc ctc acc act ctg ctt cgg gct ctg gga gcc cag aag gaa   432
128   Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu
129       130              135              140
130   gcc atc tcc cct cca gat gcg gcc tca gct gct cca ctc cga aca atc   480
131   Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile
132       145              150              155              160
133   act gct gac act ttc cgc aaa ctc ttc cga gtc tac tcc aat ttc ctc   528
134   Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu
135       165              170              175
136   cgg gga aag ctg aag ctg tac aca ggg gag gcc tgc agg aca ggg gac   576
137   Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp
138       180              185              190
139   aga tga   582
140   Arg
142 <210> SEQ ID NO: 4
143 <211> LENGTH: 193
144 <212> TYPE: PRT
145 <213> ORGANISM: Homo sapiens

```

RAW SEQUENCE LISTING

DATE: 05/08/2002

PATENT APPLICATION: US/09/856,796A

TIME: 10:53:00

Input Set : N:\paola\US09856796A.raw

Output Set: N:\CRF3\05082002\I856796A.raw

146 <400> SEQUENCE: 4

```

147   Met Gly Val His Glu Cys Pro Ala Trp Leu Trp Leu Leu Leu Ser Leu
148       1           5           10           15
149   Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Arg Leu
150           20           25           30
151   Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu Ala Lys Glu
152           35           40           45
153   Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu
154       50           55           60
155   Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg
156       65           70           75           80
157   Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu
158           85           90           95
159   Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser
160           100          105          110
161   Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly
162           115          120          125
163   Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu
164       130          135          140
165   Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile
166       145          150          155          160
167   Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu
168           165          170          175
169   Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp
170           180          185          190
171   Arg

```

VERIFICATION SUMMARY

DATE: 05/08/2002

PATENT APPLICATION: US/09/856,796A

TIME: 10:53:01

Input Set : N:\paola\US09856796A.raw

Output Set: N:\CRF3\05082002\I856796A.raw

L:6 M:270 C: Current Application Number differs, Wrong Format